Refine Search

Search Results -

Terms	Documents
6056194.pn	1

US Pre-Grant Publication Full-Text Database US Patents Full-Text Database US OCR Full-Text Database

Database:

EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index

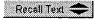
IBM Technical Disclosure Bulletins

Search:

18	

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Refine Search







Search History

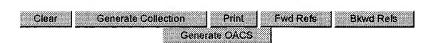
DATE: Saturday, March 06, 2004 Printable Copy Create Case

Set Name	· 	Hit Count S	Set Name result set		
•	PT; THES=ASSIGNEE; PLUR=YES; OP=OR		TOOLK OOK		
<u>L18</u>	6056194.pn.	1	<u>L18</u>		
<u>L17</u>	L14 and 705/26,27.ccls.	2	<u>L17</u>		
DB=EP/	AB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=OR				
<u>L16</u>	L14	2	<u>L16</u>		
DB=USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR					
<u>L15</u>	L14 and (car and (internet or remote or online or web\$))	28	<u>L15</u>		
<u>L14</u>	pay\$ and dispens\$ and vend\$ and (gas\$ adj station)	78_	L14		
DB=US	PT; THES=ASSIGNEE; PLUR=YES; OP=OR				
<u>L13</u>	5761648.pn. or 5710886.pn. or 5822735.pn.	3	<u>L13</u>		
DB=EP/	AB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=OR				
<u>L12</u>	L10 and (order\$ with grocer\$)	1	<u>L12</u>		
<u>L11</u>	L10 and (order# with ingredient)	0	<u>L11</u>		
<u>L10</u>	(ingredient or recipe) and grocery	22	<u>L10</u>		

<u>L9</u>	(ingredient or recipe) and grocery and order	0	<u>L9</u>
<u>L8</u>	ingredient and grocery and order	0	<u>L8</u>
<u>L7</u>	ingredient and track and grocery and order	0	<u>L7</u>
<u>L6</u>	ingredient and track and grocery and order and recipe	0	<u>L6</u>
<u>L5</u>	L1 /	0	<u>L5</u>
DB=PC	GPB,USPT,USOC,EPAB,JPAB/DWPI,TDBD; THES=ASSIGNEE; PLUR	?=YES; OP=OR	
<u>L4</u>	L2 and (order\$ with ingredient)	14	<u>L4</u>
<u>L3</u>	L2 (order\$ with ingredient)	23801	<u>L3</u>
<u>L2</u>	L1 and database	74	<u>L2</u>
<u>L1</u>	menu and ingredient and track and grocery and order and recipe	78	<u>L1</u>
	<i>'</i>		

END OF SEARCH HISTORY

Hit List



Search Results - Record(s) 1 through 2 of 2 returned.

1. Document ID: WO 2003090020 A2

Using default format because multiple data bases are involved.

L16: Entry 1 of 2

File: DWPI

Oct 30, 2003

DERWENT-ACC-NO: 2003-854182

DERWENT-WEEK: 200379

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: Prepaid telephone card selling method for use in electronic-commerce kiosk, involves dispensing redeemable voucher to user, based on difference between funds

received from user and amount to be paid by user

INVENTOR: BOYLE, M J; SORENSON, T N

PRIORITY-DATA: 2002US-372844P (April 16, 2002)

PATENT-FAMILY:

PUB-NO PUB-DATE LANGUAGE PAGES MAIN-IPC WO 2003090020 A2 October 30, 2003 E 030 G06F000/00

INT-CL (IPC): G06 F 0/00

Full	Title	Citation Fre	nt Review Classification	Date	Reference	Claims	KiMiC	Drawa D.
Г	n	Desument ID	: US 6401009 B1		***************************************	***************************************	*********	***************************************

File: DWPI

L16: Entry 2 of 2

Jun 4, 2002

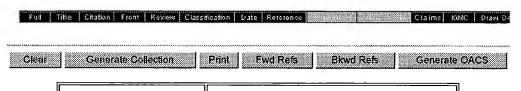
DERWENT-ACC-NO: 2002-546316

DERWENT-WEEK: 200258

COPYRIGHT 2004 DERWENT INFORMATION LTD

TITLE: Sundry article $\underline{\text{vendinq}}$ apparatus has sundry article $\underline{\text{vendinq}}$ controller that actuates $\underline{\text{dispensing}}$ of sundry articles from storage device based purchase desire of

user who purchases vehicle product and service



Terms	Documents
L14	2

Display Format: -Change Format Previous Page

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Hit List

Clear Generate Collection Print Fwd Refs Bkwd Refs
Generate OACS

Search Results - Record(s) 1 through 2 of 2 returned.

1. Document ID: US 6535726 B1

Using default format because multiple data bases are involved.

L17: Entry 1 of 2

File: USPT

Mar 18, 2003

US-PAT-NO: 6535726

DOCUMENT-IDENTIFIER: US 6535726 B1

TITLE: Cellular telephone-based transaction processing

DATE-ISSUED: March 18, 2003

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Johnson; William S. Jamestown NC

US-CL-CURRENT: 455/406; 235/381, 455/405, 705/26



2. Document ID: US 6490443 B1

L17: Entry 2 of 2

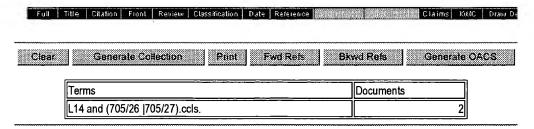
File: USPT

Dec 3, 2002

US-PAT-NO: 6490443

DOCUMENT-IDENTIFIER: US 6490443 B1

TITLE: Communication and proximity authorization systems



Display Format: - Change Format

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First Hit Fwd Refs

Generate Collection Print

L15: Entry 5 of 28

File: USPT

Jul 23, 2002

US-PAT-NO: 6424884

DOCUMENT-IDENTIFIER: US 6424884 B1

TITLE: Vending machine with transponder interrogator

DATE-ISSUED: July 23, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Brooke, Jr.; Russell J. Atlanta GA

Schwartz; Jeremy Vienna AT

ASSIGNEE-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY TYPE CODE

The Coca-Cola Company Atlanta GA 02

APPL-NO: 09/ 261268 [PALM]
DATE FILED: March 3, 1999

INT-CL: [07] <u>G07</u> <u>F</u> <u>7/02</u> US-CL-ISSUED: 700/232

US-CL-CURRENT: 700/232

FIELD-OF-SEARCH: 700/232, 700/236, 700/237, 700/238, 700/241, 700/244, 235/381,

235/383, 186/36, 186/53, 186/55

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search ALL

Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
П	3914762	October 1975	Klensch	
	4072930	February 1978	Lucero et al.	
	4573954	March 1986	Berger et al.	
	5069453	December 1991	Koza et al.	
П	5072380	December 1991	Randelman et al.	•
П	5119087	June 1992	Lucas	
П	5264822	November 1993	Vogelman et al.	

Search Selected

	5351187	September 1994	Hassett	
	5382778	January 1995	Takahira et al.	
	5450938	September 1995	Rademacher	
	5532689	July 1996	Bueno	
\Box	5569082	October 1996	Kaye	
	5586686	December 1996	Bustos et al.	186/55 X
	5588649	December 1996	Blumberg et al.	
	5602919	February 1997	Hurta et al.	
	<u>5648767</u>	July 1997	O'Connor et al.	
	5661286	August 1997	Fujioka	
	5709603	January 1998	Kaye	
	5798714	August 1998	Nyfelt	
\Box	5862222	January 1999	Gunnarsson	
	5980090	November 1999	Royal et al.	700/241
	6089284	July 2000	Kaehler et al.	700/232 X

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0 461 888	December 1991	EP	

ART-UNIT: 2167

PRIMARY-EXAMINER: Bartuska; F. J.

ATTY-AGENT-FIRM: Sutherland Asbill & Brennan LLP

ABSTRACT:

A <u>vending</u> machine includes a transponder interrogator. A customer carries a transponder embedded within an ornamental or useful item, such as a key chain ornament. When the customer desires to make a purchase from the <u>vending</u> machine, the customer presents the transponder to the transponder interrogator. The transponder is identified and a credit amount associated with that transponder is debited the purchase price. The system enables the <u>vending</u> machine operator to track the purchasing habits of the transponder user, and to provide instant incentives to purchasers using the transponder, based upon the customer's profile or purchasing habits.

31 Claims, 6 Drawing figures

Record Display Form Page 1 of 3

First Hit Fwd Refs



L15: Entry 12 of 28

File: USPT

ZIP CODE

Nov 27, 2001

COUNTRY

US-PAT-NO: 6321985

DOCUMENT-IDENTIFIER: US 6321985 B1

TITLE: System and method for networking and controlling vending machines

DATE-ISSUED: November 27, 2001

INVENTOR-INFORMATION:

NAME CITY

Y STATE

Kolls: Brock Phoenixville PA

ASSIGNEE-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY TYPE CODE

USA Technologies, Inc. Wayne PA 02

APPL-NO: 09/ 550865 [PALM]
DATE FILED: April 17, 2000

PARENT-CASE:

RELATED APPLICATION This is a continuation application claiming priority from application Ser. No. 08/793,588 filed Feb. 27, 1997 now U.S. Pat. No. 6,056,194, which is a continuation-in-part application of the application of common assignment herewith of inventor Brock Kolls, entitled UNIVERSAL <u>VENDING</u> MACHINE CONTROL SYSTEM AND METHOD, Ser. No. 08/298,067, filed on Aug. 29, 1994, abandoned and CREDIT AND BANK ISSUED DEBIT CARD OPERATED SYSTEM AND METHOD FOR CONTROLLING A PREPAID CARD ENCODING/DISPENSING MACHINE, Ser. No. 08/489,682 filed Jun. 13, 1995, now U.S. Pat. No. 5,637,845.

INT-CL: [07] G06 K 5/00

US-CL-ISSUED: 235/381; 235/380 US-CL-CURRENT: 235/381; 235/380

FIELD-OF-SEARCH: 235/381, 235/382, 235/380, 235/382.5, 902/23, 902/32

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected	Search ALL	Clear
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PAT-NO ISSUE-DATE PATENTEE-NAME US-CL 4267915 May 1981 McLaughlin et al.

4412292 October 1983

Sedam et al.

	4498570	February 1985	King et al.	
П	4767917	August 1988	Ushikubo	
	4853684	August 1989	Hoppstadter	
	4884212	November 1989	Strutsman	
\Box	4947028	August 1990	Gorog	
	4949257	August 1990	Orbach	
	5091713	February 1992	Horne et al.	
Γ.	5147021	September 1992	Maruyama	
	5206488	April 1993	Teicher	
	5225977	July 1993	Hooper et al.	
	5239480	August 1993	Huegel	235/381
	5303844	April 1994	Muehlberger	235/381
\Box	5398799	March 1995	Rannon et al.	
	5440108	August 1995	Tran et al.	235/381
	5442629	August 1995	Geyer et al.	
	5445295	August 1995	Brown	
	5450938	September 1995	Rademacher	
	5621796	April 1997	Davis et al.	235/380 X
	5637845	June 1997	Kolls	235/381
	5728999	March 1998	Teicher	235/381
	5769269	June 1998	Peters	221/7
	6056194	May 2000	Kolls	235/381

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
6-111103	April 1994	JP	
96/36023	November 1996	WO	

ART-UNIT: 286

PRIMARY-EXAMINER: Lee; Michael G.

ASSISTANT-EXAMINER: Fureman; Jared J.

ATTY-AGENT-FIRM: Ratner & Prestia

ABSTRACT:

A <u>vending</u> machine control system and method for controlling <u>vending</u> of items from one or more <u>vending</u> machines having a coin acceptor interface and selection controls for selecting items to <u>vend</u>. Control system and method are provided for sending and receiving information to and from each of the <u>vending</u> machines to

control the $\underline{\text{vending}}$ of items to users. Network system is connected to each of the coin acceptor interfaces for facilitating communication between the control system and the $\underline{\text{vending}}$ machines.

6 Claims, 16 Drawing figures

First Hit Fwd Refs

Generate Collection Print

L15: Entry 5 of 28

File: USPT

GΑ

Jul 23, 2002

US-PAT-NO: 6424884

DOCUMENT-IDENTIFIER: US 6424884 B1

TITLE: Vending machine with transponder interrogator

DATE-ISSUED: July 23, 2002

INVENTOR-INFORMATION:

NAME

CITY STATE ZIP CODE COUNTRY

Brooke, Jr.; Russell J.

Schwartz; Jeremy Vienna

AT

ASSIGNEE-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY TYPE CODE

Atlanta

The Coca-Cola Company Atlanta GA 02

APPL-NO: 09/ 261268 [PALM]
DATE FILED: March 3, 1999

INT-CL: [07] <u>G07</u> <u>F</u> <u>7/02</u> US-CL-ISSUED: 700/232 US-CL-CURRENT: <u>700/232</u>

FIELD-OF-SEARCH: 700/232, 700/236, 700/237, 700/238, 700/241, 700/244, 235/381,

235/383, 186/36, 186/53, 186/55

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected Search ALL Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
	3914762	October 1975	Klensch	
	4072930	February 1978	Lucero et al.	
	<u>4573954</u>	March 1986	Berger et al.	
П	5069453	December 1991	Koza et al.	
П	5072380	December 1991	Randelman et al.	
П	5119087	June 1992	Lucas	
П	5264822	November 1993	Vogelman et al.	

	<u>5351187</u>	September 1994	Hassett	
	5382778	January 1995	Takahira et al.	
	5450938	September 1995	Rademacher	
	<u>5532689</u>	July 1996	Bueno	
	5569082	October 1996	Kaye	
	5586686	December 1996	Bustos et al.	186/55 X
	5588649	December 1996	Blumberg et al.	
	5602919	February 1997	Hurta et al.	
	<u>5648767</u>	July 1997	O'Connor et al.	
	5661286	August 1997	Fujioka	
Γ	5709603	January 1998	Kaye	
	5798714	August 1998	Nyfelt	
	<u>5862222</u>	January 1999	Gunnarsson	
	5980090	November 1999	Royal et al.	700/241
	6089284	July 2000	Kaehler et al.	700/232 X

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO				
n	461	888		

PUBN-DATE

COUNTRY

US-CL

December 1991 EP

ART-UNIT: 2167

PRIMARY-EXAMINER: Bartuska; F. J.

ATTY-AGENT-FIRM: Sutherland Asbill & Brennan LLP

ABSTRACT:

A <u>vending</u> machine includes a transponder interrogator. A customer carries a transponder embedded within an ornamental or useful item, such as a key chain ornament. When the customer desires to make a purchase from the <u>vending</u> machine, the customer presents the transponder to the transponder interrogator. The transponder is identified and a credit amount associated with that transponder is debited the purchase price. The system enables the <u>vending</u> machine operator to track the purchasing habits of the transponder user, and to provide instant incentives to purchasers using the transponder, based upon the customer's profile or purchasing habits.

31 Claims, 6 Drawing figures

Record Display Form Page 1 of 3

First Hit Fwd Refs

Generate Collection Print

L15: Entry 12 of 28

File: USPT

Nov 27, 2001

US-PAT-NO: 6321985

DOCUMENT-IDENTIFIER: US 6321985 B1

TITLE: System and method for networking and controlling vending machines

DATE-ISSUED: November 27, 2001

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Kolls: Brock

Phoenixville PA

ASSIGNEE-INFORMATION:

NAME

CITY ST

STATE ZIP CODE

TYPE CODE

USA Technologies, Inc.

Wayne PA

02

COUNTRY

APPL-NO: 09/ 550865 [PALM]
DATE FILED: April 17, 2000

PARENT-CASE:

RELATED APPLICATION This is a continuation application claiming priority from application Ser. No. 08/793,588 filed Feb. 27, 1997 now U.S. Pat. No. 6,056,194, which is a continuation-in-part application of the application of common assignment herewith of inventor Brock Kolls, entitled UNIVERSAL <u>VENDING</u> MACHINE CONTROL SYSTEM AND METHOD, Ser. No. 08/298,067, filed on Aug. 29, 1994, abandoned and CREDIT AND BANK ISSUED DEBIT CARD OPERATED SYSTEM AND METHOD FOR CONTROLLING A PREPAID CARD ENCODING/DISPENSING MACHINE, Ser. No. 08/489,682 filed Jun. 13, 1995, now U.S. Pat. No. 5,637,845.

INT-CL: [07] G06 K 5/00

US-CL-ISSUED: 235/381; 235/380 US-CL-CURRENT: 235/381; 235/380

FIELD-OF-SEARCH: 235/381, 235/382, 235/380, 235/382.5, 902/23, 902/32

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected Search ALL Clear

PAT-NO ISSUE-DATE

PATENTEE-NAME

US-CL

4267915

May 1981

McLaughlin et al.

4412292

October 1983

Sedam et al.

Record Display Form Page 2 of 3

	4498570	February 1985	King et al.	
	4767917	August 1988	Ushikubo	
	<u>4853684</u>	August 1989	Hoppstadter	
	4884212	November 1989	Strutsman	
	4947028	August 1990	Gorog	
	4949257	August 1990	Orbach	
	5091713	February 1992	Horne et al.	
	5147021	September 1992	Maruyama	
	5206488	April 1993	Teicher	
	5225977	July 1993	Hooper et al.	
	5239480	August 1993	Huegel	235/381
	5303844	April 1994	Muehlberger	235/381
T.	5398799	March 1995	Rannon et al.	
	5440108	August 1995	Tran et al.	235/381
	5442629	August 1995	Geyer et al.	
	<u>5445295</u>	August 1995	Brown	
	5450938	September 1995	Rademacher	
	5621796	April 1997	Davis et al.	235/380 X
	5637845	June 1997	Kolls	235/381
П	5728999	March 1998	Teicher	235/381
П	5769269	June 1998	Peters	221/7
	6056194	May 2000	Kolls	235/381

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
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96/36023	November 1996	WO	

ART-UNIT: 286

PRIMARY-EXAMINER: Lee; Michael G.

ASSISTANT-EXAMINER: Fureman; Jared J.

ATTY-AGENT-FIRM: Ratner & Prestia

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6 Claims, 16 Drawing figures